

AMENDMENTS TO THE CLAIMS

Claims 1-23 (canceled)

24. (New) A washing and drying machine, comprising:

a water tank;

a rotary drum rotatably supported in said water tank;

a door provided to open/close an opening of said rotary drum; and

an irradiating unit fixed to said door for emitting a light beam including ultra-violet ray into said rotary drum,

wherein said irradiating unit comprises

a light source emitting said light beam into said rotary drum,

a reflector reflecting light emitted from said light source in a direction from the opening of said rotary drum towards a bottom wall of said rotary drum, and

a light-transmitting member provided to be located between said light source and said rotary drum in a closed state of said door, protecting said light source from heat and water in said rotary drum,

wherein said door is formed containing an ultra-violet ray absorber, allowing a view of the inside of said rotary drum from outside via said door in a closed state.

25. (New) The washing and drying machine according to claim 24, wherein the ultra-violet ray emitted from said light source has a wavelength of at least 280 nm.

26. (New) A washing and drying machine comprising:

a water tank;

a rotary drum rotatably supported in said water tank,

irradiating means for irradiating a light beam including ultra-violet ray into said rotary drum; and

control means for controlling said irradiating means such that a light beam including ultra-violet ray is emitted in said rotary drum after the end of a drying process,

wherein said control means controls said irradiating means such that an irradiating step of emitting the light beam including ultra-violet ray into said rotary drum is performed under a state where temperature in said rotary drum is maintained at least 30°C and at most 60°C after cooling down subsequent to the end of the drying process.

27. (New) The washing and drying machine according to claim 26, wherein said control means control said irradiating means such that only an irradiating step of emitting the light beam including ultra-violet ray into said rotary drum can be performed.

28. (New) The washing and drying machine according to claim 26, wherein said control means controls a door provided to open/close an opening of said rotary drum such that the door is locked when an irradiating step of emitting the light beam including ultra-violet ray into said rotary drum is performed.

29. (New) The washing and drying machine according to claim 26, wherein a component contains an ultra-violet ray absorber, and is formed to shut off ultra-violet ray.

30. (New) The washing and drying machine according to claim 26, wherein

said irradiating means is provided on a door provided to open/close an opening of said rotary drum.

31. (New) The washing and drying machine according to claim 26, wherein said irradiating means is provided on said water tank such that the light beam including ultra-violet ray is emitted to an outer circumferential surface of said rotary drum, and a plurality of through holes penetrating to the inside of said rotary drum are formed in said outer circumferential surface of said rotary drum.

32. (New) A washing and drying machine, comprising:
a washing tank accommodating clothes; and
irradiating means for emitting a light beam not including ultra-violet ray into said washing tank.

33. (New) The washing and drying machine according to claim 32, wherein said irradiating means includes
a light source emitting a light beam having a wavelength of at least 400 nm.

34. (New) The washing and drying machine according to claim 33, wherein said light source is a halogen lamp.

35. (New) The washing and drying machine according to claim 32, wherein

said irradiating means includes

a light source; and

ultra-violet ray shutting means for shutting off the ultra-violet ray.

36. (New) The washing and drying machine according to claim 35, wherein

said light source is a halogen lamp.

37. (New) The washing and drying machine according to claim 32, further comprising:

drying means for feeding hot air to said washing tank;

temperature detecting means for detecting temperature in said washing tank; and

control means for controlling said irradiating means such that the light beam is emitted when the temperature detected by said temperature detecting means is at least 40 °C and lower than 70 °C.

38. (New) The washing and drying machine according to claim 37, wherein

said control means control said irradiating means such that

clothes in said washing tank is irradiated after the clothes in said washing tank are dried by said drying means.

39. (New) The washing and drying machine according to claim 32, further comprising

door lock means for locking closed a door provided at an inlet for inputting clothes into said washing tank; wherein

said control means activates said door lock means while the light beam is emitted by said irradiating means.